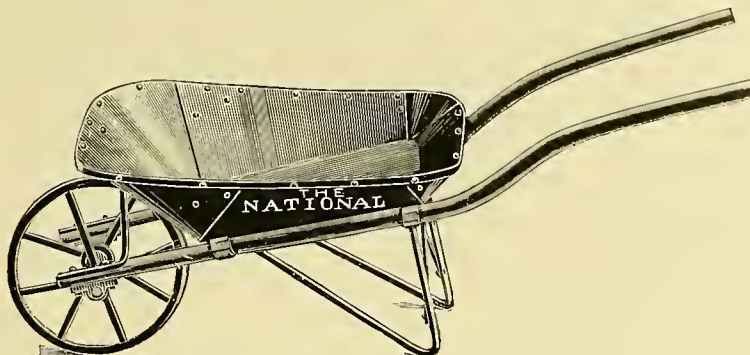


The Nason Tubular Steel Barrows.

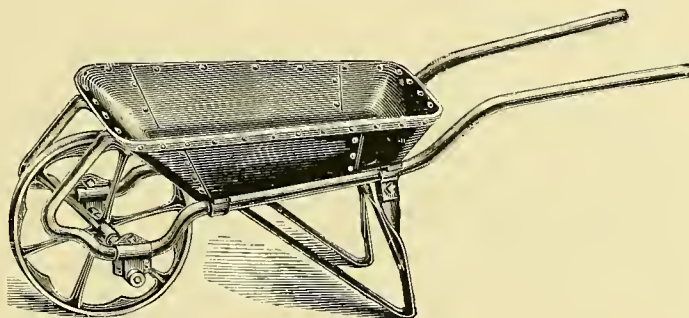


NATIONAL IDEAL STEEL BARROW.

In our "National Ideal" Steel Barrow the tray is of the most approved shape, is made of the best grade of steel, and has a strong band iron riveted around to stiffen it. Special attention has been paid to bracing this barrow, with a view to increased strength. The wheel is made of malleable iron, which is light and neat in form, but with an exact distribution of metal that secures strength and durability. The tubular iron handles are secured to tray by the use of our patent malleable iron clips.

No. 4. Greatest width of tray, 29 inches; greatest length, 32 inches; capacity, 3 cubic feet. 15-inch wheel. Tray of No. 16 steel.

Each 10.00



MINING BARROW.

Our Patented Mining Barrows are made to dump forward and at the dumping point readily discharge their load, thereby avoiding the strain incident to side dumping barrows.

The frame of these Barrows is so constructed that at the dumping point it prevents running back on the operator.

No. 4. Greatest width of tray, 29 inches; greatest length of tray, 32 inches; capacity, 3 cubic feet of earth. 16-inch wheel. Tray of No. 16 steel.

Each 11.50

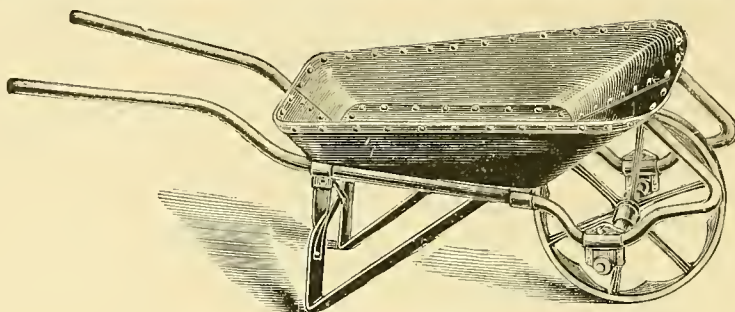
No. 4½. Size and capacity same as the No. 4. Tray of No. 14 steel.

Each 12.25

No. 5. Greatest width of tray, 31½ inches; greatest length of tray, 36 inches; capacity, 4 cubic feet of earth. 16-inch wheel. Tray of No. 14 steel.

Each 14.25

The Nason Tubular Steel Barrows.



FOUNDRY BARROW.
Having Thicker Bottom than Sides.

As will be noticed, we manufacture the trays of our Patented Foundry Barrows in two grades of thickness; each style has our heavier bottom than sides.

Grade "A."

No. 4 A. Greatest width of tray, 29 in.; Greatest length of tray, 32 in.; 16-in. wheel. Tray of Nos. 12 and 10 steel. Capacity, 3 cubic feet.

Each 14.00

No. 5 A. Greatest width of tray, 31½ in.; Greatest length of tray, 36 in.; 16-in. wheel. Tray of Nos. 12 and 10 steel. Capacity, 4 cubic feet.

Each 15.00

No. 6 A. Greatest width of tray, 32 in.; Greatest length of tray, 38 in.; 16-in. wheel. Tray of Nos. 12 and 10 steel. Capacity, 4½ cubic feet.

Each 16.50

No. 7 A. Greatest width of tray, 36 in.; Greatest length of tray, 39 in.; 16-in. wheel. Tray of Nos. 12 and 10 steel. Capacity, 5½ cubic feet.

Each 20.00

No. 8 A. Greatest width of tray, 40 in.; Greatest length of tray, 45 in.; 16-in. wheel. Tray of Nos. 12 and 10 steel. Capacity, 7½ cubic feet.

Each 22.00

Grade "AA."

No. 4 AA. Greatest width of tray, 29 in.; Greatest length of tray, 32 in.; 16-in. wheel. Tray of Nos. 12 and 8 steel. Capacity, 3 cubic feet.

Each 15.00

No. 5 AA. Greatest width of tray, 31½ in.; Greatest length of tray, 36 in.; 16-in. wheel. Tray of Nos. 12 and 8 steel. Capacity, 4 cubic feet.

Each 16.00

No. 6 AA. Greatest width of tray, 32 in.; Greatest length of tray, 38 in.; 16-in. wheel. Tray of Nos. 12 and 8 steel. Capacity, 4½ cubic feet.

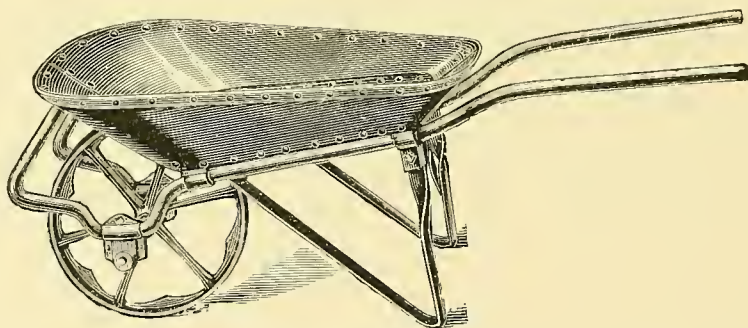
Each 17.50

No. 7 AA. Greatest width of tray, 36 in.; Greatest length of tray, 39 in.; 16-in. wheel. Tray of Nos. 12 and 8 steel. Capacity, 5½ cubic feet.

Each 21.00

No. 8 AA. Greatest width of tray, 40 in.; Greatest length of tray, 45 in.; 16-in. wheel. Tray of Nos. 12 and 8 steel. Capacity, 7½ cubic feet.

Each 23.00



COAL BARROW.

Our Patented Coal Barrows are provided with our patented thicker bottoms than sides, and have all the advantages of forward dumping which are found in our Patented Mining and Foundry Barrows.

They are carefully constructed and are especially adapted for wheeling coal and ashes.

No. 4. Greatest width of tray, 29 in.; Greatest length of tray, 32 in.; Capacity, 150 lbs. of coal. 16-in. wheel. Tray of Nos. 16 and 12 steel.

Each 12.25

No. 5. Greatest width of tray, 31½ in.; Greatest length of tray, 36 in.; Capacity, 200 lbs. of coal. 16-in. wheel. Tray of Nos. 16 and 12 steel.

Each 14.25

No. 6. Greatest width of tray, 32 in.; Greatest length of tray, 38 in.; Capacity, 225 lbs. of coal. 16-in. wheel. Tray of Nos. 16 and 12 steel.

Each 15.00

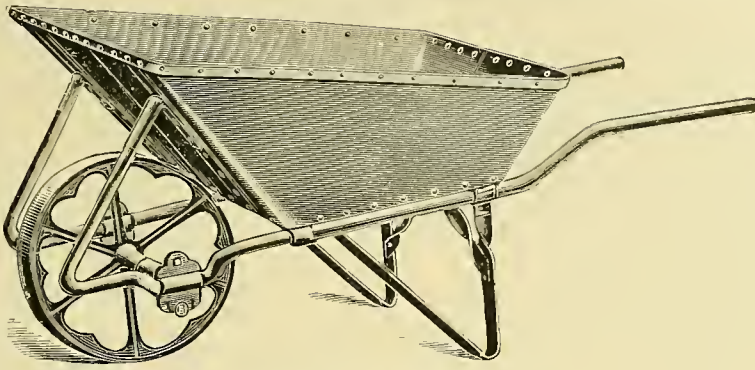
No. 7. Greatest width of tray, 36 in.; Greatest length of tray, 39 in.; Capacity, 300 lbs. of coal. 16-in. wheel. Tray of Nos. 16 and 12 steel.

Each 18.00

No. 8. Greatest width of tray, 40 in.; Greatest length of tray, 45 in.; Capacity, 450 lbs. of coal. 16-in. wheel. Tray of Nos. 16 and 12 steel.

Each 20.00

The Nason Tubular Steel Barrows.



COAL BARROW, SQUARE TRAY.

No. 9. Greatest width of tray, 32 in.; Greatest length of tray, 34 in.; Capacity, 260 lbs., or $3\frac{1}{2}$ bushels of coal. 18-in. wheel. Tray of Nos. 14 and 10 steel.

Each 22.00

No. 10. Greatest width of tray, 33 in.; Greatest length of tray, 36 in.; Capacity, 340 lbs., or $4\frac{1}{2}$ bushels of coal. 18-in. wheel. Tray of Nos. 14 and 10 steel.

Each 24.00

No. 11. Greatest width of tray, 35 in.; Greatest length of tray, 38 in.; Capacity, 400 lbs., or $5\frac{1}{2}$ bushels of coal. 18-in. wheel. Tray of Nos. 14 and 10 steel.

Each 26.00

No. 12. Greatest width of tray, 36 in.; Greatest length of tray, 40 in.; Capacity, 480 lbs., or $6\frac{1}{2}$ bushels of coal. 18-in. wheel. Tray of Nos. 14 and 10 steel.

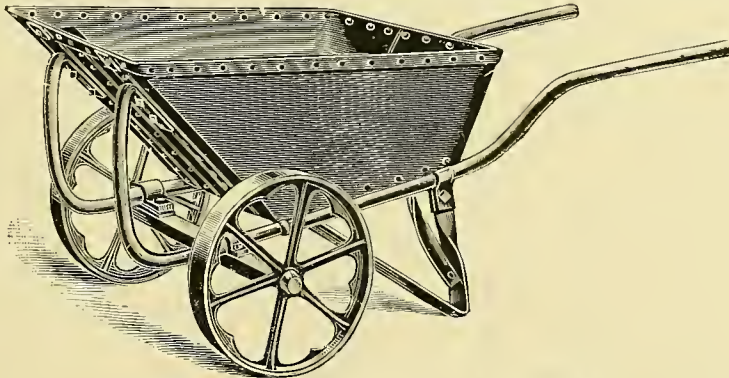
Each 28.00

No. 13. Greatest width of tray, 38 in.; Greatest length of tray, 42 in.; Capacity, 600 lbs., or over 8 bushels of coal. 18-in. wheel. Tray of Nos. 14 and 10 steel.

Each 30.00

NOTE.—Our patented Coal Barrows with Square Trays are also made in the A (of Nos. 12 and 10 steel) and AA (of Nos. 12 and 8 steel) styles, of same size and capacity as the preceding, at the following prices:

No.	9A.	Capacity, 260 pounds		
"	10A.	" 340 "	.....	23.50
"	11A.	" 400 "	.....	25.50
"	12A.	" 480 "	.....	27.50
"	13A.	" 600 "	.....	29.75
"	9AA.	" 260 "	.....	32.00
"	10AA.	" 340 "	.....	24.50
"	11AA.	" 400 "	.....	26.75
"	12AA.	" 480 "	.....	28.50
"	13AA.	" 600 "	.....	30.75
"			.....	33.50



COAL BARROW, SQUARE TRAY, TWO WHEELS.

Our Mining, Foundry and Coal Barrows, numbered 4 to 13, inclusive, can be furnished with two wheels.

The following lists contain the sizes more commonly made in this way.

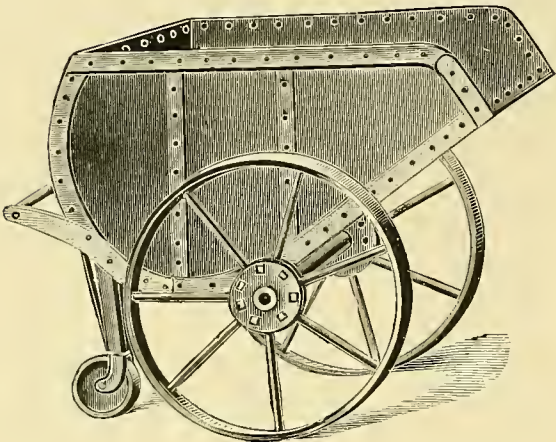
The Barrows given below correspond in size and capacity to the original numbers used above.

No.	9 $\frac{1}{2}$.	Capacity, 260 pounds		
"	10 $\frac{1}{2}$.	" 340 "	.....	28.00
"	11 $\frac{1}{2}$.	" 400 "	.....	30.00
"	12 $\frac{1}{2}$.	" 480 "	.....	32.00
"	13 $\frac{1}{2}$.	" 600 "	.....	34.00
"			.....	38.00

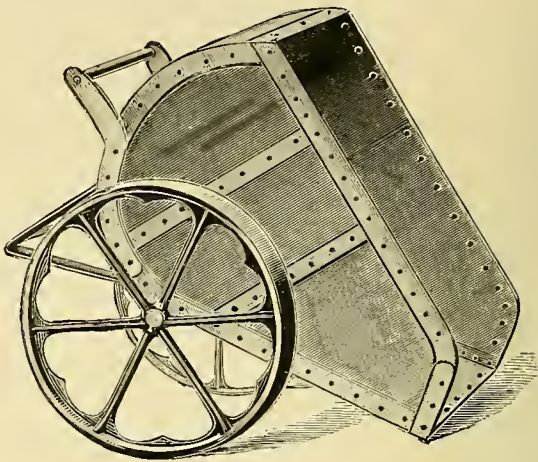
NOTE.—Our patented Two-Wheeled Coal Barrows are also made in the A (of Nos. 12 and 10 steel) and AA (of Nos. 12 and 8 steel) styles, of the same sizes and capacity as the preceding, as follows:

No.	9 $\frac{1}{2}$ A.	Capacity, 260 pounds		
"	10 $\frac{1}{2}$ A.	" 340 "	.....	29.50
"	11 $\frac{1}{2}$ A.	" 400 "	.....	31.50
"	12 $\frac{1}{2}$ A.	" 480 "	.....	33.50
"	13 $\frac{1}{2}$ A.	" 600 "	.....	35.75
"	9 $\frac{1}{2}$ AA.	" 260 "	.....	40.00
"	10 $\frac{1}{2}$ AA.	" 340 "	.....	30.50
"	11 $\frac{1}{2}$ AA.	" 400 "	.....	32.75
"	12 $\frac{1}{2}$ AA.	" 480 "	.....	34.50
"	13 $\frac{1}{2}$ AA.	" 600 "	.....	36.75
"			.....	42.00

The Nason Charging Barrows and Coal Tubs.



No. 22.



No. 23.

Charging Barrows for Charging Blast Furnaces and Gas Retorts.

Number.	Dimensions of Body.			Diameter of Wheels.	Capacity. Cubic Feet.	Each.
	Width. Inches.	Depth. Inches.	Length. Inches.			
18	20	21½	54	28 in., Malleable.	10	58.00
19	21	25	54	28 " "	12	62.00
20	24	26	54	28 " "	14	65.00
21	26	28	56	32 " Wrought.	16	68.00
22	28	30	57	32 " "	20	72.00

Any of the above sizes can be furnished with swivel at a small additional cost. See figure 22.
Charging Barrows of other sizes can be made to order.

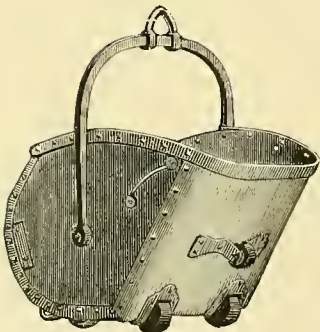
Coal Tubs—Side Catch.

Horse Power.

No.	Coal Capacity. Pounds.	Cubic Feet Capacity.	Weight of Tub. Pounds.	Gauge of Steel.	Height from Floor to Top of Side. Inches.	Length over all. Inches.	Width over all. Inches.	Each.
24	250	5	155	10	22	29	29	30.00
25	335	7	165	10	23	31½	32	32.50
26	400	8	190	10	24	33½	33	35.00
27	500	10	225	10	27	36	35½	40.00

Steam Power.

28	400	8	250	8	25	34	34½	40.00
29	500	10	280	8	27½	36	36	44.00
30	560	11	300	8	28	37	38	45.00
31	600	12	320	8	28	37½	39	60.00
32	600	12	340	8	29	38	39	65.00
33	700	15	410	8	31	40½	42	75.00
34	800	16	435	8	31	42½	43	80.00
35	900	18	445	8	32	43	44	85.00
36	1000	20	455	8	32	44	45	88.00
37	1120	22	475	8	32	45	46	90.00
38	1200	24	500	8	34	51	49	100.00
39	1500	30	645	8	37½	53	51	130.00
40	2000	40	825	6	40½	56	57	140.00
41	2240	45	850	6	40½	56	59	150.00



No. 32.
COAL TUB.
Side Catch.

Barrow Repairs and Bristol Trucks.

Square Tray.

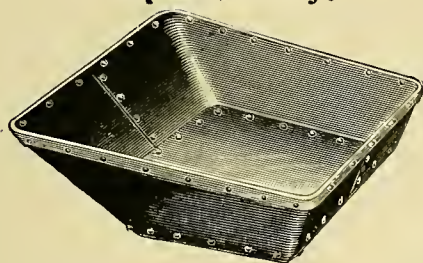


Fig. 17.

For Barrow No.	Net, Each.	A.	AA.
9 Square	9.00	10.50	11.75
10 "	9.75	11.00	12.50
11 "	10.50	11.75	13.00
12 "	11.00	12.50	13.75
13 "	13.00	14.50	15.50

Barrow Wheels.

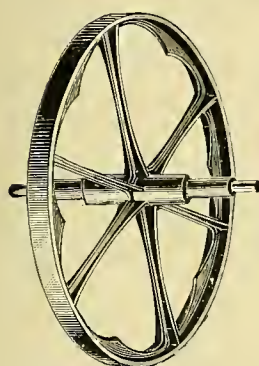


Fig. 20.
MALLEABLE.

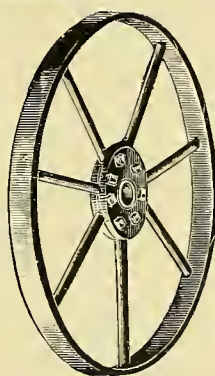
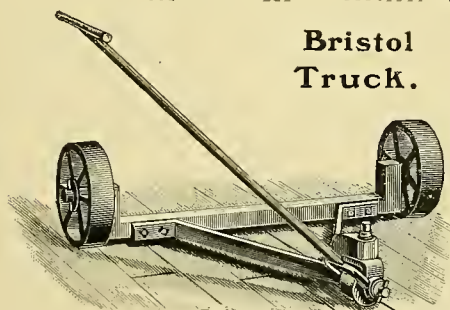


Fig. 21.
WROUGHT.

We are prepared to furnish Wheels of malleable or wrought iron with steel axles, such as are used on our Barrows, in any quantity. They are made light and neat in form, but with an exact distribution of metal that secures strength and durability. The following list applies to Malleable Wheels:

Diameter, inches.	Width of Tire, in.	Diameter of Axle, in.	Each.
15 } With	1 1/2	1 1/8	2.25
16 } Axles.	2	1 1/8	3.25
18 }	2	1 1/8	4.00
20 }	2	1 1/8	5.25
24 }	2 1/4	---	6.50
28 }	2 1/2	---	9.00
32 }	---	---	17.00
34 }	---	---	18.00
48 }	---	---	21.00

Bristol Truck.



New Style.

Dirt and Mining Barrow Trays.

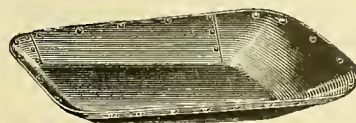


Fig. 19.

For Barrow No.	Width, in.	Length, in.	Capacity, cu. ft. earth.	Gauge of Steel.	Each.
4	29	32	3	16	4.25
4 1/2	29	32	3	14	4.50
5	31 1/2	36	4	14	5.25

Coal and Foundry Barrow Trays.

Thicker Bottoms than Sides.

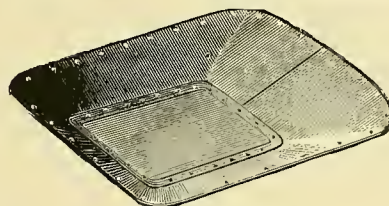


Fig. 18.

NOTE.—The above illustration shows the bottom riveted to the sides. This bottom is of heavier steel than the sides, thereby at once equalizing the wear, and by being riveted in the manner shown, serving to render the entire Tray stiff and strongest where strength is most required.

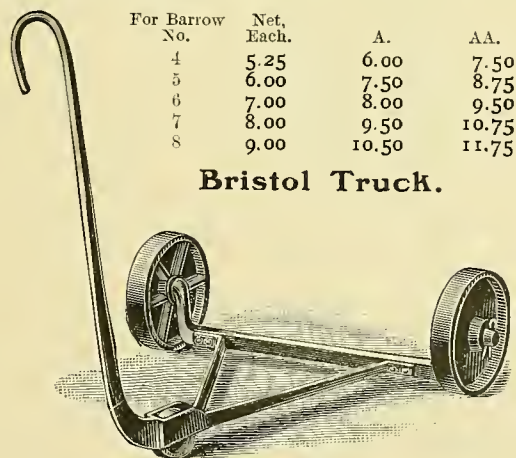
Our Trays (plain numbers 4 to 13, inclusive), corresponding in size and capacity to the barrows of like numbers, have sides of No. 16 and bottoms of No. 12 steel.

Trays for A barrows have sides of No. 12 and bottoms of No. 10 steel.

Trays for AA barrows have sides of No. 12 and bottoms of No. 8 steel.

For Barrow No.	Net, Each.	A.	AA.
4	5.25	6.00	7.50
5	6.00	7.50	8.75
6	7.00	8.00	9.50
7	8.00	9.50	10.75
8	9.00	10.50	11.75

Bristol Truck.



Old Style.

Bristol Trucks.

Old and New Style.

No.	Capacity, lbs.	Distance Between Drops.	Each.
1	750	22	10.00
2	1000	26	20.00
3	1500	30	25.00
4	2000	34	30.00

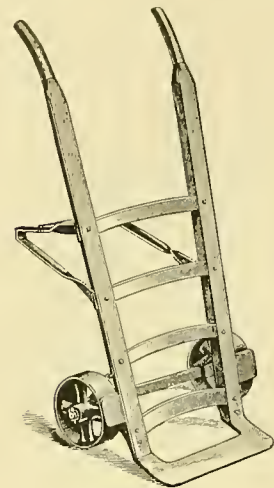


Fig. 44.
NEW YORK PATTERN.



Fig. 45.
WESTERN PATTERN.

Patented Steel Trucks.

Our Patented Steel Trucks are lighter and easier to handle and far more durable than wooden trucks of like capacity. As shown in the illustrations, the frame is made of steel angles, with cross bars, either straight or curved, as desired. Our patent papier mache handles overcome the objectionable effects of heat and cold, and permit the use of the Trucks throughout the year..

No.	Length of Handles.
1-----	56 inches
2-----	56 "

Width at end of Handles.	Width at Nose.	Size of Wheels.
23 inches	17 inches	12 inches
21 "	14 "	10 "

Weight.	New York Pattern.	Western Pattern.
130 lbs.	20.00	22.00
90 "	15.00	17.00

These Trucks can be made in all sizes and in any pattern that may be required for any special purpose.

Fig. 52. Steel Nose and Axle.

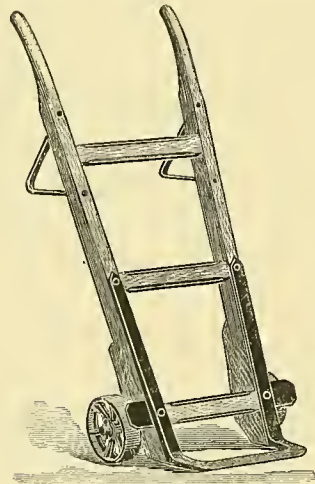
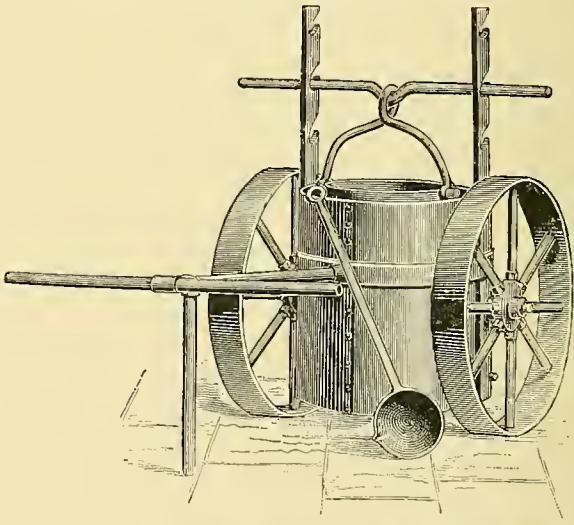


Fig. 52.
STORE AND WAREHOUSE TRUCK.
New York Pattern.

No.	Length of Handle.	Width at Nose.	Width at Upper Bar.	Diam. of Wheel.	Weight.	Half Strapped.	Full Strapped.
1----	4 ft. 0 in.	13 in.	16 in.	6 in.	36 lbs.	4.85	6.50
2----	4 " 5 "	14 ³ / ₄ "	19 ¹ / ₂ "	6 ⁷ / ₈ "	54 "	6.00	8.00
3----	4 " 7 "	15 ³ / ₄ "	21 ¹ / ₄ "	7 ³ / ₄ "	66 "	7.00	9.00
4----	4 " 11 "	16 "	21 ¹ / ₄ "	8 ³ / ₄ "	80 "	8.00	10.00
5----	5 " 4 "	17 ¹ / ₂ "	22 ³ / ₄ "	10 ³ / ₄ "	100 "	9.50	11.50
6----	5 " 8 "	18 ¹ / ₄ "	24 ¹ / ₄ "	10 ³ / ₄ "	120 "	11.50	13.50

Weights given are for half strapped.



Lead Melting Furnace.

Lead Furnace on Wheels. Furnished with Lead Pot, Bar and 1 Ladle. Capacity of Pot, 450 lbs. Each ----- 35.00

Coal or Coke Wagons.

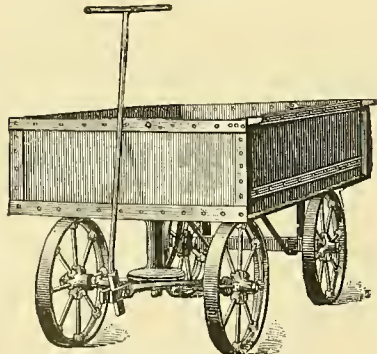


Fig. 28.
COAL OR COKE WAGON.

No.	Capacity.	Length.	Width.	Depth.	Wheels.	Each
20-----	550	58	30	10	16	50.00
21-----	715	64	32	11	16	60.00
22-----	1032	68	34	14	16	75.00
23-----	1210	68	36	14	16	80.00
24-----	1570	75	42	15 ¹ / ₂	16	90.00
25-----	2025	92	41	16	16	110.00